Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
RICHARD F. CELESTE, *Governor*
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EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
OCTOBER 1984

Summary: Ohio's seasonally adjusted unemployment rate was 9.5 percent in October 1984, up from the September rate of 9.2 percent. The unadjusted rate rose from 8.7 percent in September to 9.1 percent in October, as actual unemployment increased 22,000, to 473,000. Total employment advanced marginally, to 4,712,000. Nonagricultural wage and salary employment totaled 4,236,000 in October, up .3 percent from September. Seasonal gains in local and state government education were somewhat offset by losses in manufacturing employment and declines in retail trade and services.

Factory Employment: Ohio manufacturing employment slipped to 1,120,000 in October, down .4 percent from September. Most of the loss occurred in nondurable goods, due to seasonal cutbacks in food processing. In durable goods, large recalls in motor vehicles and equipment were more than offset by layoffs in fabricated metal products, nonelectrical machinery, and primary metals.

Nonmanufacturing: Nonmanufacturing employment in Ohio rose .5 percent from September, to 3,116,000 in October. Government employment increased as nonfaculty personnel were recalled by schools and colleges. Wholesale trade also showed a gain, while seasonal factors resulted in a decline in retail trade. In services, a sharp drop in outdoor amusement employment was largely offset by increased employment in private schools.

Factory Hours and Earnings: Ohio's factory production workers averaged $463.10 per week in October, down $2.45 from September. Their average workweek of 42.1 hours was down .3 hours. Overtime cutbacks were reported in motor vehicles and equipment, and hours and earnings in food canning were reduced at the end of the harvest season. Increased overtime raised hours and earnings in petroleum and coal products, electric lighting and wiring, and in metal forgings and stampings.

Over the Year: Between October 1983 and October 1984, Ohio's unadjusted unemployment rate fell from 10.6 to 9.1 percent of the civilian labor force. Total employment increased 2.2 percent during the period, while nonfarm wage and salary employment gained 1.6 percent. Nonmanufacturing accounted for more than two-thirds of the total increase, with services, retail trade, and government showing the greatest gains. Improvements in nonelectrical machinery, transportation equipment, plastics products, and fabricated metals helped boost manufacturing employment 21,000 over the year. Factory workers averaged 28¢ more per hour for a fractionally longer workweek in October 1984, raising the average weekly earnings $12.86.

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EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron. --Nonfarm payroll employment in Akron decreased just 700 from September, to 254,100 in October. Declines in retail trade and service industries accounted for most of the change. Production workers in manufacturing worked an average of 42.8 hours per week, down .4 hours from September. They grossed $10.89, up 7¢ per hour.

Canton. --Nonagricultural payroll employment in Canton, at 148,800 in October, was little changed from September. Nonmanufacturing employment advanced, however, as seasonal hiring in public schools more than offset declines in retailing. Factory production workers increased their average hourly earnings 9¢ in October, to $10.86 per hour. Their workweek of 40.8 hours was .2 hours below the September level.

Cincinnati. --Nonagricultural wage and salary employment in Cincinnati increased 2,000 from September, to 593,000. Recalls of auto workers boosted factory employment to 146,100, up 2,700 from September. Seasonal decreases in retail eating and drinking places and amusement industries were partially offset by the return of nonfaculty personnel to schools and colleges. Average earnings of manufacturing production workers, at $10.64 per hour, were 10¢ above September. The average workweek--41.9 hours--was .3 hours shorter.

Cleveland. --Employment in Cleveland nonfarm industries rose 2,600 from September, to 835,900 in October. In manufacturing, an increase in employment in motor vehicles was negated by a decline in metal forgings and stampings and in electric and electronic equipment. Nonmanufacturing employment rose as nonfaculty personnel returned from summer furloughs to jobs in public and private schools. Average hourly earnings of factory production workers remained constant at $10.91 in October. Average weekly hours, at 42.1, were up .1 hours.

Columbus. --October wage and salary employment in Columbus nonagricultural industries, at 526,000, was 7,000 above September. Seasonal expansion in public and private schools and colleges boosted nonmanufacturing. Factory employment dropped 300, to 89,200, with small-to-moderate losses reported in fabricated metal products and nonelectrical machinery. Weekly hours for manufacturing production workers, at 40.6 hours, were .2 hours below the September level, while the average hourly earnings were down 6¢ to $10.30.

Dayton. --Nonfarm wage and salary employment in Dayton, at 352,300 in October, was up 1,800 from September. The increase occurred in nonmanufacturing, due to seasonal hiring among schools and colleges. Manufacturing employment decreased 500, to 92,200 in October due to lack of orders for nonelectrical machinery and the secondary effects of a strike in rubber and miscellaneous plastics products. Hourly earnings and weekly hours of factory production workers--$11.15 and 42.5 hours--were 11¢ and .6 hours below September averages.

Toledo. --Toledo's nonfarm payroll employment increased 1,300 from September, to 298,200 in October. Seasonal expansion in services and education boosted nonmanufacturing, while manufacturing, at 76,400, was down 800. Much of this decrease occurred in food processing as the canning season came to an end. Employment also declined in fabricated metal products. The average workweek of production workers rose .4 hours, to 44.3 hours. Hourly earnings increased 13¢, to $11.86 per hour.

Youngstown-Warren. --Nonagricultural establishments in the Youngstown-Warren area employed 182,100 wage and salary workers in October, down 800 from September. Manufacturing decreased 400, to 54,400 for the month, as lack of orders were reported in primary metal industries. In nonmanufacturing, seasonal pickups in education were more than offset by seasonal losses in outdoor recreation and eating and drinking establishments. The average factory production worker grossed $12.86 per hour, down 3¢ from September. The workweek slipped .6 hours, to 43.0 hours.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 11-16-84

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.6	156.6	592.2	880.7	506.6	352.5	290.9	198.7
1982	248.8	148.6	575.3	844.6	495.1	336.3	281.9	180.6
1983	245.0	143.6	573.7	826.0	500.0	335.4	281.0	177.6
1983								
October .	250.3	145.9	584.0	835.5	512.6	342.1	289.6	181.3
November.	251.4	146.7	585.5	835.7	514.7	343.9	291.1	182.0
December.	250.9	146.7	583.8	837.9	515.7	344.3	291.1	182.0
1984								
January .	243.2	143.3	573.1	819.0	503.8	339.3	284.3	178.4
February.	245.4	143.8	572.2	817.5	505.9	339.8	286.4	178.4
March ...	246.4	145.0	576.7	821.2	509.1	341.2	288.2	179.0
April ...	249.7	146.8	584.2	825.8	514.0	343.8	291.5	181.0
May	253.2	147.8	590.0	831.1	516.7	344.5	294.3	183.1
June	249.9	148.6	595.5	838.6	523.5	346.4	291.3	182.7
July	250.6	147.9	588.4	834.0	512.2	342.9	287.4	181.7
August ..	250.2	148.0	588.2	831.4	513.8	343.6	287.7	180.5
September	254.8	148.7	591.0	833.4	519.0	350.4	296.9	182.9
October .	254.1	148.8	593.0	835.9	526.0	352.3	298.2	182.1
	MANUFACTURING EMPLOYMENT (in thousands)							
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.1	55.7	162.4	254.9	96.8	99.4	75.4	70.8
1981	75.7	54.8	157.3	246.8	93.1	97.8	74.6	67.3
1982	68.3	47.6	146.3	223.0	85.9	87.6	69.0	52.9
1983	65.1	43.6	140.7	207.6	84.0	86.2	69.1	53.0
1983								
October .	66.1	44.2	144.2	210.9	86.6	88.7	73.2	54.9
November.	66.4	44.8	144.8	211.6	86.8	89.8	73.9	55.2
December.	66.2	44.9	141.7	212.1	86.2	90.2	74.0	55.6
1984								
January .	66.1	44.7	143.2	211.6	86.2	90.4	74.6	55.8
February.	66.5	44.9	143.3	211.2	87.0	90.9	75.5	55.6
March ...	66.7	45.5	144.1	211.6	87.0	91.1	75.7	55.4
April ...	67.0	45.4	144.6	210.6	87.4	91.4	75.8	55.8
May	67.5	45.3	145.0	210.9	87.2	91.2	75.7	55.8
June	67.9	45.3	145.9	211.6	88.4	91.4	75.5	55.6
July	67.8	45.4	145.6	209.4	88.3	91.3	75.0	55.6
August ..	67.4	45.7	146.0	208.9	88.7	91.6	75.7	54.5
September	67.7	45.5	143.5	210.5	89.5	92.6	77.2	54.8
October .	67.5	45.5	146.1	210.2	89.2	92.2	76.4	54.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j]Youngstown-Warren includes Mahoning and Trumbull Counties.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.7	39.6	103.5	161.8	61.3	64.4	49.2	50.8
1982	36.9	33.3	95.5	141.8	55.1	55.6	45.2	38.1
1983	35.6	30.8	92.2	132.1	54.2	54.9	47.2	39.3
1983								
October .	36.5	31.4	95.9	135.8	56.7	57.4	51.6	41.5
November.	37.0	31.9	96.8	136.7	56.8	58.3	52.5	41.8
December.	36.8	32.1	93.8	137.0	56.6	58.7	52.7	42.2
1984								
January .	36.8	31.7	95.4	136.5	56.8	58.8	53.3	42.3
February.	37.1	31.8	95.5	136.3	57.4	59.3	54.2	42.2
March ...	37.1	32.4	96.3	136.7	57.3	59.3	54.4	42.1
April ...	37.4	32.4	96.5	135.6	57.7	59.7	54.6	42.4
May	37.7	32.3	96.5	135.7	57.5	59.4	54.5	42.4
June	37.8	32.3	97.3	136.3	58.6	59.5	54.3	42.2
July	37.6	32.3	96.6	134.2	58.3	59.0	53.7	42.2
August ..	37.3	32.7	97.5	133.6	58.8	59.2	54.2	41.2
September	37.8	32.5	95.0	135.6	59.5	60.4	55.8	41.6
October .	37.6	32.3	97.1	135.3	59.1	60.3	54.9	41.4
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1982	41.0	38.6	40.5	39.9	39.8	40.0	41.1	39.3
1983	43.1	39.6	41.1	40.9	40.7	41.9	42.9	42.1
1983								
October .	43.2	40.2	41.3	41.5	41.0	42.7	43.9	43.9
November.	44.0	40.7	42.0	41.8	41.6	42.8	44.5	43.6
December.	45.5	40.8	42.4	42.3	42.3	43.9	44.5	43.2
1984								
January .	43.9	40.4	41.7	41.9	41.2	43.2	43.1	44.7
February.	43.9	41.0	41.5	42.2	40.4	42.8	43.5	43.8
March ...	43.7	40.8	41.8	42.3	40.4	42.8	43.8	44.9
April ...	43.8	40.5	42.1	42.3	40.5	43.0	43.7	43.5
May	43.4	40.6	41.6	42.0	40.5	42.3	43.7	43.3
June	43.8	40.3	41.6	42.0	40.7	42.3	43.3	42.9
July	43.3	40.6	41.1	41.1	40.6	42.9	43.0	44.2
August ..	43.3	40.1	41.7	41.5	40.9	42.5	43.3	42.3
September	43.2	41.0	42.2	42.0	40.8	43.1	43.9	43.6
October .	42.8	40.8	41.9	42.1	40.6	42.5	44.3	43.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j]Youngstown-Warren includes Mahoning and Trumbull Counties. [k]Not comparable to prior data due to change in sample composition.

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Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1973	$ 4.99	$ 4.80	$ 4.44	$ 4.83	$ 4.36	$ 5.00	$ 5.01	$ 5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1982	9.89	10.22	9.57	10.10	9.31	10.02	10.89	11.72
1983	10.49	10.66	10.11	10.45	9.97	10.61	11.28	12.38
1983								
October .	10.82	10.78	10.23	10.55	10.11	10.86	11.43	12.58
November.	10.85	10.84	10.34	10.62	10.14	10.91	11.57	12.54
December.	11.01	10.88	10.29	10.66	10.35	11.11	11.57	12.68
1984								
January .	10.77	10.85	10.39	10.70	10.33	11.07	11.42	12.89
February.	10.75	10.91	10.37	10.76	10.23	11.04	11.48	12.66
March ...	10.79	10.89	10.45	10.81	10.20	11.12	11.58	13.09
April ...	10.76	10.90	10.58	10.82	10.22	11.12	11.58	12.88
May	10.82	11.04	10.50	10.83	10.30	11.03	11.57	12.86
June	10.87	10.99	10.51	10.82	10.26	11.09	11.66	12.85
July	10.73	10.88	10.48	10.68	10.21	11.23	11.59	13.09
August ..	10.82	10.80	10.57	10.81	10.29	11.18	11.66	12.67
September	10.82	10.77	10.54	10.91	10.36	11.26	11.73	12.89
October .	10.89	10.86	10.64	10.91	10.30	11.15	11.86	12.86
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1973	$214.57	$196.80	$187.37	$208.66	$177.89	$216.50	$215.93	$226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1982	403.03	394.49	387.59	402.99	370.54	400.80	447.58	460.60
1983	452.12	422.14	415.52	427.41	405.78	444.56	483.91	521.20
1983								
October .	467.42	433.36	422.50	437.83	414.51	463.72	501.78	552.26
November.	477.40	441.19	434.28	443.92	421.82	466.95	514.87	546.74
December.	500.96	443.90	436.30	451.76	437.81	487.73	514.87	547.78
1984								
January .	472.80	438.34	433.26	448.33	425.60	478.22	492.20	576.18
February.	471.93	447.31	430.36	454.07	413.29	472.51	499.38	554.51
March ...	471.52	444.31	436.81	457.26	412.08	475.94	507.20	587.74
April ...	471.29	441.45	445.42	457.69	413.91	478.16	506.05	560.28
May	469.59	448.22	436.80	454.86	417.15	466.57	505.61	556.84
June	476.11	442.90	437.22	454.44	417.58	469.11	504.88	551.27
July	464.61	441.73	430.73	438.95	414.53	481.77	498.37	578.58
August ..	468.51	433.08	440.77	448.62	420.86	475.15	504.88	535.94
September	467.42	441.57	444.79	458.22	422.69	485.31	514.95	562.00
October .	466.09	443.09	445.82	459.31	418.18	473.88	525.40	552.98

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j]Youngstown-Warren includes Mahoning and Trumbull Counties.

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Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
AKRON[b]				
1973	287.1	274.9	12.2	4.3
1974	290.8	277.7	13.0	4.5
1975	292.0	264.3	27.7	9.5
1976	291.3	266.3	25.0	8.6
1977	294.2	274.7	19.5	6.6
1978	298.9	282.2	16.7	5.6
1979	303.8	285.4	18.4	6.1
1980	304.5	278.3	26.2	8.6
1981	304.1	274.9	29.1	9.6
1982	303.9	268.0	35.9	11.8
1983	304.4	267.0	37.4	12.3
1983				
September	305.1	271.4	33.7	11.1
October	308.4	274.5	33.8	11.0
November	309.7	274.2	35.5	11.5
December	304.9	270.4	34.6	11.3
1984				
January	297.5	264.3	33.2	11.2
February	298.6	263.8	34.8	11.6
March	297.9	262.4	35.5	11.9
April	300.3	268.4	31.9	10.6
May	305.5	274.5	31.1	10.2
June	306.9	277.9	29.0	9.5
July	315.7	288.9	26.9	8.5
August	311.4	281.5	29.9	9.6
September[p]	309.2	281.9	27.3	8.8
CINCINNATI[d]				
1973	572.0	543.0	29.0	5.1
1974	595.3	569.8	25.5	4.3
1975	595.3	551.6	43.6	7.3
1976	604.8	566.6	38.2	6.3
1977	623.4	588.7	34.7	5.6
1978	648.3	615.8	32.5	5.0
1979	663.4	628.1	35.3	5.3
1980	676.2	628.6	47.5	7.0
1981	678.5	619.3	59.1	8.7
1982	682.0	610.4	71.6	10.5
1983	686.5	615.4	71.1	10.4
1983				
September	685.5	619.2	66.4	9.7
October	691.5	630.0	61.5	8.9
November	693.2	629.0	64.2	9.3
December	684.3	622.5	61.9	9.0
1984				
January	679.0	616.0	62.9	9.3
February	670.2	611.3	58.9	8.8
March	672.1	612.2	59.9	8.9
April	683.0	624.9	58.1	8.5
May	695.0	635.0	60.0	8.6
June	709.9	651.7	58.2	8.2
July	718.1	661.6	56.4	7.9
August	708.2	649.4	58.8	8.3
September[p]	700.8	642.9	57.9	8.3

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
CANTON[c]				
1973	171.2	163.1	8.1	4.7
1974	175.6	167.5	8.1	4.6
1975	174.7	158.0	16.7	9.6
1976	174.4	158.6	15.8	9.1
1977	175.9	163.1	12.9	7.3
1978	179.9	170.0	9.9	5.5
1979	184.3	173.7	10.6	5.7
1980	187.7	170.9	16.8	8.9
1981	188.4	170.1	18.2	9.7
1982	191.4	164.3	27.0	14.1
1983	188.4	160.7	27.6	14.7
1983				
September	186.6	162.2	24.3	13.0
October	189.2	164.6	24.6	13.0
November	189.5	164.4	25.1	13.2
December	186.0	162.4	23.6	12.7
1984				
January	182.3	159.8	22.5	12.3
February	180.7	158.9	21.9	12.1
March	181.7	158.7	23.0	12.6
April	182.6	162.1	20.5	11.2
May	185.6	164.8	20.9	11.2
June	188.1	169.2	18.9	10.1
July	191.7	174.4	17.2	9.0
August	189.0	170.3	18.6	9.9
September[p]	186.2	169.0	17.3	9.3
CLEVELAND[e]				
1973	883.9	849.0	34.9	3.9
1974	899.1	861.4	37.7	4.2
1975	896.9	826.3	70.6	7.9
1976	897.7	834.4	63.3	7.0
1977	908.5	854.4	54.0	5.9
1978	921.7	878.5	43.2	4.7
1979	935.8	889.1	46.7	5.0
1980	937.1	869.1	68.0	7.3
1981	933.9	854.0	79.8	8.5
1982	933.4	833.2	100.2	10.7
1983	930.7	824.7	105.9	11.4
1983				
September	925.8	826.4	99.4	10.7
October	936.6	840.1	96.6	10.3
November	935.3	836.6	98.7	10.6
December	917.5	828.3	89.3	9.7
1984				
January	899.5	815.9	83.7	9.3
February	887.4	806.6	80.8	9.1
March	890.2	802.3	87.9	9.9
April	896.6	813.7	83.0	9.3
May	913.9	825.6	88.3	9.7
June	932.7	850.5	82.2	8.8
July	955.0	876.6	78.4	8.2
August	937.6	853.3	84.3	9.0
September[p]	920.2	841.5	78.6	8.5

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b]Defined as Portage and Summit Counties. [c]Defined as Carroll and Stark Counties. [d]Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e]Defined as Cuyahoga, Geauga, Lake, and Medina Counties.
[p]Preliminary.

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
COLUMBUS[f]				
1973	485.5	468.3	17.1	3.5
1974	495.4	475.5	19.9	4.0
1975	495.0	458.6	36.5	7.4
1976	503.6	468.5	35.1	7.0
1977	513.4	483.3	30.1	5.9
1978	531.4	506.5	24.9	4.7
1979	543.0	517.1	25.8	4.8
1980	554.7	523.4	31.4	5.7
1981	562.4	519.1	43.3	7.7
1982	567.4	516.4	51.0	9.0
1983	579.1	527.4	51.7	8.9
1983				
September	577.9	528.9	49.0	8.5
October	594.3	545.1	49.2	8.3
November	594.7	544.2	50.2	8.5
December	585.3	537.9	47.4	8.1
1984				
January	575.1	529.6	45.4	7.9
February	570.0	526.7	43.2	7.6
March	571.3	525.2	46.0	8.1
April	580.3	535.2	45.1	7.8
May	590.4	543.9	46.5	7.9
June	605.6	561.9	43.7	7.2
July	612.4	570.5	41.9	6.8
August	601.6	558.5	43.1	7.2
September[p]	594.4	553.7	40.7	6.8
DAYTON[g]				
1973	358.0	343.5	14.5	4.1
1974	359.5	342.5	17.0	4.7
1975	357.6	327.7	29.9	8.4
1976	360.5	336.3	24.2	6.7
1977	368.6	348.3	20.3	5.5
1978	381.1	363.7	17.3	4.6
1979	392.2	367.9	24.2	6.2
1980	390.2	361.0	29.2	7.5
1981	390.8	357.9	32.8	8.4
1982	391.8	347.1	44.7	11.4
1983	390.6	350.7	39.9	10.2
1983				
September	389.5	353.7	35.7	9.2
October	395.4	360.8	34.7	8.8
November	396.8	360.3	36.5	9.2
December	388.0	355.5	32.5	8.4
1984				
January	385.5	353.0	32.5	8.4
February	383.7	350.3	33.5	8.7
March	383.4	348.5	34.9	9.1
April	387.1	354.5	32.6	8.4
May	391.4	358.8	32.6	8.3
June	398.7	368.1	30.6	7.7
July	406.3	377.7	28.7	7.1
August	399.6	369.3	30.3	7.6
September[p]	399.0	370.0	28.9	7.3
TOLEDO[h]				
1973	339.8	324.2	15.6	4.6
1974	343.8	324.2	19.7	5.7
1975	344.8	310.2	34.6	10.0
1976	347.8	319.4	28.4	8.2
1977	355.0	329.4	25.6	7.2
1978	362.1	339.7	22.4	6.2
1979	368.2	341.7	26.4	7.2
1980	368.2	329.8	38.4	10.4
1981	367.4	328.0	39.4	10.7
1982	368.7	322.7	46.1	12.5
1983	374.2	326.9	47.2	12.6
1983				
September	374.8	331.9	42.9	11.5
October	380.0	338.3	41.7	11.0
November	381.3	337.5	43.8	11.5
December	372.5	331.9	40.5	10.9
1984				
January	366.1	327.4	38.6	10.6
February	365.7	327.7	38.0	10.4
March	367.3	327.8	39.5	10.8
April	371.8	335.7	36.1	9.7
May	378.2	342.1	36.1	9.5
June	384.7	345.8	38.9	10.1
July	390.3	352.1	38.2	9.8
August	381.4	345.3	36.1	9.5
September	INA	INA	INA	INA
YOUNGSTOWN-WARREN[i]				
1973	232.5	221.8	10.8	4.6
1974	236.7	223.7	13.0	5.5
1975	236.7	209.8	26.9	11.4
1976	234.2	210.5	23.7	10.1
1977	234.0	215.0	19.0	8.1
1978	235.2	217.5	17.7	7.5
1979	237.1	219.9	17.1	7.2
1980	238.9	210.5	28.4	11.9
1981	234.0	205.7	28.2	12.1
1982	237.0	190.3	46.6	19.7
1983	227.3	189.6	37.8	16.6
1983				
September	226.7	193.1	33.6	14.8
October	227.0	195.5	31.5	13.9
November	227.9	195.2	32.7	14.4
December	222.4	192.2	30.2	13.6
1984				
January	218.3	189.7	28.6	13.1
February	214.6	188.2	26.4	12.3
March	215.3	186.8	28.5	13.2
April	216.3	190.5	25.8	11.9
May	220.3	194.4	25.9	11.8
June	222.0	198.2	23.8	10.7
July	226.9	204.3	22.6	9.9
August	226.1	198.2	27.9	12.3
September[p]	223.7	198.8	24.8	11.1

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f]Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Defined as Greene, Miami, Montgomery, and Preble Counties. [h]Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i]Defined as Mahoning and Trumbull Counties.
[p]Preliminary. INA—Information not available.

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,088	4,661	427	8.4	7.1
1981	5,098	4,606	492	9.6	7.6
1982	5,114	4,474	640	12.5	9.7
1983	5,110	4,488	622	12.2	9.6
1983					
October .	5,159	4,611	548	10.6	8.4
November.	5,146	4,582	564	11.0	8.1
December.	5,040	4,513	528	10.5	8.0
1984					
January .	4,964	4,452	512	10.3	8.8
February.	4,925	4,426	499	10.1	8.4
March ...	4,940	4,415	525	10.6	8.1
April ...	4,996	4,506	489	9.8	7.6
May	5,086	4,593	493	9.7	7.2
June	5,183	4,715	469	9.0	7.4
July	5,292	4,845	447	8.4	7.5
August ..	5,215	4,733	482	9.2	7.3
September	5,159	4,708	451	8.7	7.1
October .	5,185	4,712	473	9.1	7.0

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.3	3,103.0
1981	4,317.6	1,232.6	3,085.1
1982	4,124.2	1,099.9	3,024.4
1983	4,083.8	1,066.9	3,017.0
1983			
October .	4,170.0	1,099.1	3,070.9
November.	4,177.5	1,104.4	3,073.1
December.	4,176.1	1,101.9	3,074.2
1984			
January .	4,083.3	1,101.0	2,982.3
February.	4,095.2	1,108.2	2,987.0
March ...	4,120.3	1,113.2	3,007.1
April ...	4,162.8	1,114.7	3,048.1
May	4,200.0	1,117.7	3,082.3
June	4,220.4	1,121.5	3,098.9
July	4,174.9	1,117.1	3,057.9
August ..	4,176.3	1,120.1	3,056.2
September	4,224.2	1,125.2	3,099.0
October .	4,236.2	1,120.2	3,116.0

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	30.7	153.7	217.2	232.5	717.7	205.8	851.5	676.0
1982	30.3	134.6	206.8	226.0	703.4	206.4	857.3	659.6
1983	26.6	128.6	197.3	219.6	703.3	209.6	874.6	657.5
1983								
October .	27.5	145.0	200.7	221.5	709.6	211.5	888.8	666.3
November.	27.4	140.9	199.6	221.1	717.8	211.5	884.2	670.6
December.	27.1	130.9	200.2	221.3	730.4	212.1	880.7	671.5
1984								
January .	27.0	115.0	193.1	218.3	693.6	210.8	868.3	656.3
February.	26.7	111.8	193.1	217.9	682.4	210.3	875.0	669.9
March ...	27.2	114.5	193.8	218.9	688.6	210.7	882.2	671.2
April ...	27.4	123.6	196.0	220.2	704.1	211.8	894.4	670.5
May	27.9	131.5	198.4	221.6	715.4	212.6	902.3	672.7
June	28.2	138.8	200.1	223.2	721.9	214.8	912.1	659.8
July	28.3	144.0	200.1	223.6	718.6	215.6	906.4	621.2
August ..	28.1	145.0	200.7	223.6	720.4	215.7	905.5	617.2
September	27.9	145.1	201.0	223.8	723.3	215.1	911.5	651.3
October .	27.7	145.2	201.4	224.7	720.5	214.8	909.8	671.5

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures. All data exclude military personnel.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1973	1,426.3	1,018.2	408.1	1,046.7	$210.8	44.3
1974	1,416.6	1,013.1	403.5	1,028.7	217.4	42.4
1975	1,267.5	892.4	375.1	897.8	201.5	36.2
1976	1,295.3	910.6	384.6	926.1	233.9	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.3	882.6	381.9	867.8	301.9	35.2
1981	1,232.6	860.4	372.2	847.7	330.4	34.7
1982	1,099.9	752.4	347.5	735.7	297.1	29.5
1983	1,066.9	723.6	343.3	721.7	315.7	29.9
1983						
October .	1,099.1	748.1	351.0	755.4	340.1	31.7
November.	1,104.4	752.9	351.4	761.9	348.7	32.4
December.	1,101.9	749.8	352.0	760.2	352.4	32.5
1984						
January .	1,101.0	750.4	350.5	758.6	349.5	32.2
February.	1,108.2	756.9	351.3	765.6	351.5	32.5
March ...	1,113.2	760.9	352.4	769.9	357.3	32.7
April ...	1,114.7	762.0	352.7	771.7	359.1	32.8
May	1,117.7	764.2	353.5	773.5	355.6	32.6
June	1,121.5	766.1	355.4	776.0	356.7	32.7
July	1,117.1	763.4	353.7	770.5	350.2	32.1
August ..	1,120.1	763.3	356.8	773.7	352.3	32.3
September	1,125.2	765.2	360.0	779.7	363.0	33.1
October .	1,120.2	763.4	356.7	774.8	358.8	32.6

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1973	$201.35	$207.95	$185.89	42.3	42.7	41.4	$4.76	$4.87	$4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1982	403.81	414.80	378.95	40.1	40.0	40.4	10.07	10.37	9.38
1983	437.18	452.35	402.52	41.4	41.5	41.2	10.56	10.90	9.77
1983									
October .	450.24	468.68	408.78	42.0	42.3	41.5	10.72	11.08	9.85
November.	457.73	475.68	413.97	42.5	42.7	41.9	10.77	11.14	9.88
December.	463.52	483.15	419.05	42.8	43.1	42.2	10.83	11.21	9.93
1984									
January .	460.70	479.52	418.05	42.5	42.7	42.1	10.84	11.23	9.93
February.	459.19	478.67	414.24	42.4	42.7	41.8	10.83	11.21	9.91
March ...	464.10	484.50	417.32	42.5	42.8	41.9	10.92	11.32	9.96
April ...	465.38	489.79	420.26	42.5	42.7	41.9	10.95	11.33	10.03
May	459.73	477.99	413.17	42.1	42.3	41.4	10.92	11.30	9.98
June	459.73	478.41	414.59	42.1	42.3	41.5	10.92	11.31	9.99
July	454.53	472.63	412.00	41.7	41.9	41.2	10.90	11.28	10.00
August ..	455.36	474.60	412.82	41.7	42.0	41.2	10.92	11.30	10.02
September	465.55	484.79	421.10	42.4	42.6	41.9	10.98	11.38	10.05
October .	463.10	482.22	416.48	42.1	42.3	41.4	11.00	11.40	10.06

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	63.2	80.4
1983	52.7	104.5	130.9	153.1	90.2	131.6	64.5	62.3	82.4
1983									
October .	54.9	108.0	136.5	154.5	92.4	138.8	66.4	62.6	86.4
November.	55.0	109.8	137.8	155.3	92.4	139.9	65.2	62.8	87.4
December.	53.7	110.3	137.3	155.5	91.9	138.5	65.2	63.0	87.5
1984									
January .	52.9	110.6	137.7	156.6	91.8	138.4	64.5	62.8	87.9
February.	53.4	111.1	137.6	157.2	92.8	141.3	64.1	62.8	88.7
March ...	54.0	112.2	137.8	158.5	93.7	140.9	64.1	63.1	88.8
April ...	54.1	111.7	138.4	159.2	93.3	141.2	64.6	63.1	89.3
May	55.0	111.1	139.6	160.0	92.8	141.6	64.8	63.2	89.2
June	55.5	111.6	139.9	159.2	92.9	141.9	65.9	63.1	89.5
July	55.5	110.4	138.9	158.7	93.6	141.0	65.1	63.2	88.9
August ..	55.8	108.3	139.5	159.2	94.0	141.2	67.5	63.0	89.3
September	56.1	107.8	140.6	160.7	94.6	139.9	69.0	63.3	90.4
October .	55.9	107.0	139.2	159.6	93.9	142.7	66.1	63.2	90.1
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1973	$189.09	$228.72	$204.67	$208.80	$176.23	$241.01	$188.94	$203.06	$193.12
1974	194.21	246.09	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1983									
October .	412.17	514.18	479.45	436.31	408.04	581.79	396.89	384.94	425.87
November.	415.33	520.38	490.31	450.24	411.27	586.64	410.98	392.18	421.20
December.	421.16	525.79	505.52	463.54	415.17	588.60	420.30	393.97	422.61
1984									
January .	419.33	525.39	486.86	468.27	409.59	585.09	409.64	391.40	429.44
February.	417.08	540.99	485.57	468.07	420.51	565.46	411.04	391.30	423.36
March ...	417.49	538.90	482.08	467.18	416.66	602.94	416.79	386.45	425.97
April ...	420.93	540.58	486.06	468.93	420.21	593.18	424.27	388.22	424.45
May	416.90	537.63	477.70	462.87	420.24	582.56	416.75	384.29	415.16
June	423.26	540.18	473.76	462.01	412.70	591.40	425.00	380.00	418.28
July	419.98	530.01	462.45	459.43	412.70	587.80	418.47	379.33	413.14
August ..	422.24	528.30	458.16	455.28	419.43	599.86	417.78	379.71	414.26
September	424.32	542.30	463.00	466.28	424.77	625.63	428.80	389.86	418.46
October .	425.76	538.04	462.31	467.99	424.97	612.89	410.75	386.93	413.40

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
OCTOBER 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1984[b]	September 1984[c]	October 1983[c]	September 1984	October 1983
TOTAL	4236.2	4224.2	4170.0	.3	1.6
MANUFACTURING	1120.2	1125.2	1099.1	- .4	1.9
Durable Goods[e]	763.4	765.2	748.1	- .2	2.0
Lumber and wood products	15.9	16.1	14.8	- 1.5	7.3
Furniture and fixtures	13.2	13.3	13.5	- .7	- 2.8
Household furniture	5.6	5.7	6.1	- 1.2	- 8.0
Stone, clay, and glass products	55.9	56.1	54.9	- .4	1.8
Glass and glassware, pressed or blown	14.0	14.1	14.1	- 1.1	- 1.0
Structural clay products	4.9	5.0	4.9	- .6	.1
Pottery and related products	5.8	5.7	5.8	.6	- .9
Primary metal industries	107.0	107.8	108.0	- .8	- .9
Blast furnace and basic steel products	50.2	50.5	53.8	- .6	- 6.6
Iron and steel foundries	22.0	22.2	20.6	- 1.1	6.6
Nonferrous rolling and drawing	18.8	19.1	18.9	- 1.5	- .5
Nonferrous foundries	9.6	9.6	8.9	.3	8.3
Fabricated metal products	139.2	140.6	136.5	- 1.0	2.0
Cutlery, hand tools, and hardware	11.3	11.3	11.3	- .6	.0
Plumbing and heating, except electric	4.9	5.0	4.6	- 1.5	8.2
Fabricated structural metal products	29.9	29.9	29.5	.0	1.3
Screw machine products, bolts, etc.	9.0	9.0	8.8	.6	2.2
Metal forgings and stampings	43.0	43.9	41.7	- 2.0	3.1
Machinery, except electrical	159.6	160.7	154.5	- .7	3.3
Construction and related machinery	15.3	15.4	17.0	- 1.0	- 10.1
Metalworking machinery	39.8	39.8	37.8	.1	5.4
Special industry machinery	17.8	17.7	16.1	.4	10.8
General industrial machinery	31.4	32.1	30.0	- 2.1	4.7
Electric and electronic equipment	93.9	94.6	92.4	- .7	1.7
Electrical industrial apparatus	19.3	19.5	18.8	- .6	3.0
Household appliances	16.8	17.1	16.4	- 1.6	2.8
Electric lighting and wiring equipment	18.3	18.4	18.5	- .4	- 1.3
Communication equipment	10.4	10.4	10.5	- .1	- .7
Transportation equipment	142.7	139.9	138.8	2.0	2.8
Motor vehicles and equipment	94.4	92.2	93.8	2.3	.6
Aircraft and parts	40.3	39.5	36.9	2.0	9.2
Instruments and related products	21.6	21.6	21.0	- .2	2.8
Measuring and controlling devices	12.4	12.5	12.3	- 1.1	.3
Nondurable Goods[f]	356.7	360.0	351.0	- .9	1.6
Food and kindred products	66.1	69.0	66.4	- 4.1	- .4
Meat products	10.6	10.7	10.5	- 1.3	.8
Dairy products	10.3	10.3	10.5	- .1	- 2.0
Bakery products	9.8	10.1	9.8	- 2.3	.2
Beverages	10.3	10.4	10.5	- 1.3	- 2.7
Textile mill products	4.6	4.5	4.6	1.1	- 1.0
Apparel and other textile products	17.9	17.7	17.1	1.0	4.4
Paper and allied products	36.1	36.2	35.1	- .2	2.9
Paper mills, except building paper	9.7	9.8	9.3	- .7	4.6
Misc. converted paper products	11.5	11.7	11.4	- 1.5	.5
Paperboard containers and boxes	12.0	11.8	11.6	1.6	3.4
Printing and publishing	63.2	63.3	62.6	- .2	1.0
Newspapers	18.0	18.1	18.0	- .5	.0
Commercial printing	23.3	23.3	22.9	.3	2.0
Chemicals and allied products	64.0	64.2	63.9	- .4	.1
Industrial inorganic chemicals	11.6	11.7	11.3	- .1	2.8
Plastics materials and synthetics	8.5	8.6	8.8	- .6	- 3.5
Petroleum and coal products	10.0	9.9	9.7	.7	2.5
Rubber and misc. plastics products	90.1	90.4	86.4	- .2	4.4
Tires and inner tubes	20.5	20.5	20.4	- .2	.4
Miscellaneous plastics products	48.9	49.1	45.7	- .4	7.1
Leather and leather products	4.6	4.7	5.0	- 2.1	- 8.7

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
OCTOBER 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1984[b]	September 1984[c]	October 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$463.10	$465.55	$450.24	42.1	42.4	42.0	$11.00	$10.98	$10.72
Durable Goods[d]	482.22	484.79	468.68	42.3	42.6	42.3	11.40	11.38	11.08
Lumber and wood products	289.54	300.03	295.54	39.5	40.6	40.1	7.33	7.39	7.37
Furniture and fixtures	335.37	320.80	314.72	41.2	40.1	40.4	8.14	8.00	7.79
Household furniture	294.92	284.07	276.44	40.4	39.4	39.1	7.30	7.21	7.07
Stone, clay, and glass products	425.76	424.32	412.17	41.7	41.6	41.3	10.21	10.20	9.98
Glass and glassware, pressed or blown.	449.84	443.11	431.07	40.2	40.1	40.4	11.19	11.05	10.67
Structural clay products	324.10	325.29	309.34	42.2	42.3	41.3	7.68	7.69	7.49
Pottery and related products	321.10	313.76	326.25	37.6	37.0	37.5	8.54	8.48	8.70
Primary metal industries	538.04	542.30	514.18	42.1	42.4	41.6	12.78	12.79	12.36
Blast furnace and basic steel products	522.90	526.41	509.52	40.1	40.4	39.9	13.04	13.03	12.77
Iron and steel foundries	551.27	555.54	522.45	42.9	43.3	43.0	12.85	12.83	12.15
Nonferrous rolling and drawing	599.71	610.57	565.92	43.3	43.8	43.2	13.85	13.94	13.10
Nonferrous foundries	459.16	454.41	432.84	46.1	45.9	44.9	9.96	9.90	9.64
Fabricated metal products	462.31	463.00	479.45	41.8	41.9	43.0	11.06	11.05	11.15
Cutlery, hand tools, and hardware	446.45	456.95	493.83	39.3	39.7	42.1	11.36	11.51	11.73
Plumbing and heating, except electric.	381.48	381.41	361.58	40.8	41.1	40.4	9.35	9.28	8.95
Fabricated structural metal products	424.20	430.36	401.88	42.0	42.4	40.8	10.10	10.15	9.85
Screw machine products, bolts, etc.	396.15	409.27	390.82	41.7	42.9	41.4	9.50	9.54	9.44
Metal forgings and stampings	560.25	552.11	604.20	42.8	42.7	45.6	13.09	12.93	13.25
Machinery, except electrical	467.99	466.28	436.31	42.7	42.7	41.2	10.96	10.92	10.59
Construction and related machinery	419.21	412.27	429.37	40.7	40.3	39.5	10.30	10.23	10.87
Metalworking machinery	437.02	439.32	403.52	41.9	42.0	39.6	10.43	10.46	10.19
Special industry machinery	457.76	461.16	428.83	44.1	44.3	42.5	10.38	10.41	10.09
General industrial machinery	461.61	462.18	435.66	41.4	41.6	41.1	11.15	11.11	10.60
Electric and electronic equipment	424.97	424.77	408.04	41.1	41.2	41.3	10.34	10.31	9.88
Electrical industrial apparatus	408.44	414.41	370.28	40.6	41.4	39.1	10.06	10.01	9.47
Household appliances	422.80	421.74	413.09	40.0	39.9	40.9	10.57	10.57	10.10
Electric lighting and wiring equipment	432.21	418.40	407.69	41.8	41.1	41.9	10.34	10.18	9.73
Communication equipment	503.58	504.74	476.48	43.6	43.7	44.2	11.55	11.55	10.78
Transportation equipment	612.89	625.63	581.79	44.9	45.8	45.1	13.65	13.66	12.90
Motor vehicles and equipment	637.37	660.35	609.04	45.3	46.9	46.0	14.07	14.08	13.24
Aircraft and parts	563.11	549.07	509.07	44.2	43.2	42.6	12.74	12.71	11.95
Instruments and related products	314.82	321.19	308.83	39.7	40.3	39.9	7.93	7.97	7.74
Measuring and controlling devices	313.63	318.40	298.65	39.6	40.0	39.4	7.92	7.96	7.58
Nondurable Goods[e]	416.48	421.10	408.78	41.4	41.9	41.5	10.06	10.05	9.85
Food and kindred products	410.75	428.80	396.89	41.7	43.8	41.3	9.85	9.79	9.61
Meat products	400.35	422.23	388.33	42.5	43.8	41.4	9.42	9.64	9.38
Dairy products	425.21	426.07	409.26	43.3	43.3	43.4	9.82	9.84	9.43
Bakery products	437.40	453.89	406.30	39.8	41.3	39.6	10.99	10.99	10.26
Beverages	387.08	387.08	365.77	39.7	39.7	39.5	9.75	9.75	9.26
Textile mill products	312.82	332.10	310.91	39.2	41.0	41.4	7.98	8.10	7.51
Apparel and other textile products	247.68	246.51	241.67	38.7	38.1	38.3	6.40	6.47	6.31
Paper and allied products	448.05	455.40	437.03	43.5	44.0	44.1	10.30	10.35	9.91
Paper mills, except building paper	564.20	582.50	535.13	45.5	46.6	46.9	12.40	12.50	11.41
Misc. converted paper products	392.46	394.90	384.77	42.2	42.6	42.8	9.30	9.27	8.99
Paperboard containers and boxes	390.08	403.34	392.84	42.4	43.0	42.7	9.20	9.38	9.20
Printing and publishing	386.93	389.86	384.94	38.5	38.6	38.0	10.05	10.10	10.13
Newspapers	337.41	320.08	320.10	34.5	33.1	33.0	9.78	9.67	9.70
Commercial printing	393.62	410.00	408.51	39.8	41.0	39.7	9.89	10.00	10.29
Chemicals and allied products	482.45	479.08	460.37	41.2	41.3	41.4	11.71	11.60	11.12
Industrial inorganic chemicals	528.14	510.47	511.09	41.1	41.3	42.1	12.85	12.36	12.14
Plastics materials and synthetics	550.37	529.82	515.09	44.1	42.9	43.8	12.48	12.35	11.76
Petroleum and coal products	696.67	695.54	609.23	46.6	43.5	43.3	14.95	14.61	14.07
Rubber and misc. plastics products	413.40	418.46	425.87	42.4	42.7	43.5	9.75	9.80	9.79
Tires and inner tubes	590.26	605.98	564.32	45.3	46.4	44.4	13.03	13.06	12.71
Miscellaneous plastics products	393.96	400.58	411.70	42.0	42.3	43.2	9.38	9.47	9.53
Leather and leather products	204.85	195.83	211.85	39.7	38.1	38.8	5.16	5.14	5.46

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
OCTOBER 1984 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1984[b]	September 1984[c]	October 1983[c]	September 1984	October 1983
NONMANUFACTURING	3116.0	3099.0	3070.9	.5	1.5
MINING	27.7	27.9	27.5	- .7	.9
Bituminous coal and lignite mining	11.5	11.7	11.8	- 2.0	- 2.2
CONSTRUCTION	145.2	145.1	145.0	.1	.1
General building contractors	36.6	36.8	35.0	- .5	4.7
Heavy construction contractors	24.4	24.5	23.8	- .4	2.4
TRANSPORTATION AND PUBLIC UTILITIES	201.4	201.0	200.7	.2	.3
Railroad transportation	19.0	19.3	19.3	- 1.1	- 1.2
Transportation, except railroads	90.9	90.3	88.1	.6	3.2
Trucking and warehousing	64.8	64.2	63.6	.9	1.8
Communication, electric, gas services	91.4	91.5	93.3	- .1	- 2.0
Communication	51.6	51.6	53.3	.0	- 3.1
Electric, gas, and sanitary services	39.8	39.8	40.0	- .1	- .5
WHOLESALE TRADE	224.7	223.8	221.5	.4	1.4
Wholesale trade-durable goods	140.5	140.0	138.9	.4	1.2
Motor vehicles & automotive equipment	20.7	20.6	20.4	.4	1.2
Electrical goods	18.7	18.7	18.6	- .1	.6
Machinery, equipment, and supplies	58.7	58.6	57.9	.2	1.4
Wholesale trade-nondurable goods	84.2	83.8	82.7	.5	1.8
Groceries and related products	26.6	26.5	25.8	.3	3.2
RETAIL TRADE	720.5	723.3	709.6	- .4	1.5
General merchandise stores	114.4	111.9	112.1	2.2	2.0
Department stores	105.6	103.3	103.2	2.3	2.3
Food stores	119.7	120.0	117.5	- .3	1.9
Automotive dealers & service stations	75.6	75.5	75.2	.1	.5
Apparel and accessory stores	33.8	33.5	33.8	.8	- .1
FINANCE, INSURANCE, AND REAL ESTATE	214.8	215.1	211.5	- .1	1.5
Banking	57.4	57.6	58.3	- .2	- 1.5
Credit agencies other than banks	32.5	32.5	31.5	- .2	3.1
Insurance carriers	59.4	59.6	59.1	- .4	.5
SERVICES	909.8	911.5	888.8	- .2	2.4
Hotels and other lodging places	29.3	29.9	29.2	- 2.1	.5
Laundry, cleaning, & garment services	16.6	16.5	16.6	.3	.3
Business services	138.8	138.2	131.6	.4	5.5
Health services	331.9	331.7	323.6	.1	2.6
Hospitals	178.4	178.4	177.0	.0	.8
GOVERNMENT	671.9	651.3	666.3	3.2	.8
Federal government	90.6	91.3	88.5	- .7	2.4
State government	145.1	134.6	145.1	7.8	.0
State government, except education	69.0	69.2	68.8	- .2	.4
State government education[i]	76.1	65.4	76.3	16.3	- .3
Local government	436.2	425.4	432.7	2.5	.8
Local government, except education	180.9	181.8	180.2	- .5	.4
Local government education	255.3	243.6	252.5	4.8	1.1

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures. [h]Depressed due to labor-management disputes. [i]Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
OCTOBER 1984 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1984[b]	September 1984[c]	October 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
MINING	$490.06	$501.23	$461.58	43.6	44.2	43.3	$11.24	$11.34	$10.66
Bituminous coal and lignite mining	586.85	691.19	560.06	40.5	43.5	41.0	14.49	14.51	13.66
CONSTRUCTION	623.71	613.87	580.16	39.5	39.3	37.0	15.79	15.62	15.68
General building contractors	604.44	589.35	503.74	41.4	41.3	35.6	14.60	14.27	14.15
Heavy construction contractors	592.25	593.04	530.02	39.3	39.3	35.5	15.07	15.09	14.93
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Railroad transportation	.....	.....	.....	....	....	....	....	....	....
Transportation, except railroads	.....	.....	.....	....	....	....	....	....	....
Trucking and warehousing	435.42	446.92	447.07	35.2	36.1	36.2	12.37	12.38	12.35
Communication, electric, gas services	504.29	504.70	474.30	40.8	40.8	40.4	12.36	12.37	11.74
Communication	502.25	502.25	474.38	40.8	40.8	40.1	12.31	12.31	11.83
Electric, gas, and sanitary services	507.55	509.61	472.93	40.8	40.9	40.7	12.44	12.46	11.62
WHOLESALE TRADE	341.82	341.73	332.59	39.2	39.1	39.5	8.72	8.74	8.42
Wholesale trade-durable goods	339.04	339.77	326.80	39.7	39.6	40.0	8.54	8.58	8.17
Motor vehicles & automotive equipment	279.10	285.91	272.97	39.2	39.6	38.5	7.12	7.22	7.09
Electrical goods	292.59	288.80	274.61	38.6	38.0	38.3	7.58	7.60	7.17
Machinery, equipment, and supplies	382.08	382.14	368.83	39.8	39.6	40.8	9.60	9.65	9.04
Wholesale trade-nondurable goods	346.75	345.47	342.88	38.4	38.3	38.7	9.03	9.02	8.86
Groceries and related products	377.51	374.74	369.15	40.9	41.0	40.7	9.23	9.14	9.07
RETAIL TRADE[f]	158.69	159.47	161.37	28.8	29.1	29.5	5.51	5.48	5.47
General merchandise stores	162.76	165.98	165.17	29.7	30.4	30.7	5.48	5.46	5.38
Department stores	165.39	169.22	168.41	29.8	30.6	30.9	5.55	5.53	5.45
Food stores	201.10	202.85	218.86	29.4	29.7	31.0	6.84	6.83	7.06
Automotive dealers & service stations	231.87	225.79	213.35	36.4	36.3	36.1	6.37	6.22	5.91
Apparel and accessory stores	118.82	123.92	115.14	26.7	27.6	25.7	4.45	4.49	4.48
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	223.79	224.23	217.76	....	....	....	....	....	....
Credit agencies other than banks	220.69	222.06	210.39	....	....	....	....	....	....
Insurance carriers	302.76	301.17	291.21	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
Hotels and other lodging places	.....	.....	.....	....	....	....	....	....	....
Laundry, cleaning, & garment services	.....	.....	.....	....	....	....	....	....	....
Business services	.....	.....	.....	....	....	....	....	....	....
Health services	.....	.....	.....	....	....	....	....	....	....
Hospitals	294.88	296.48	282.41	33.7	34.0	33.7	8.75	8.72	8.38
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes miscellaneous manufacturing. [e]Includes tobacco manufactures. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1984[b]	September 1984[c]	October 1983[c]	September 1984	October 1983
TOTAL	254.1	254.8	250.3	- .3	1.5
MANUFACTURING	67.5	67.7	66.1	- .4	2.1
Durable Goods[e]	35.1	35.2	33.6	- .1	4.4
Stone, clay, and glass products	1.1	1.1	1.5	1.8	- 23.1
Fabricated metal products	13.1	13.2	12.4	- .8	5.4
Machinery, except electrical	9.3	9.3	9.0	.6	3.2
Special industry machinery	1.5	1.5	1.4	.2	6.1
Nondurable Goods[f]	32.4	32.6	32.4	- .6	- .2
Food and kindred products	2.7	2.7	2.7	- 2.2	- .1
Chemicals and allied products	2.8	2.9	3.0	- 3.3	- 5.9
Rubber and misc. plastics products	21.8	21.9	21.6	- .3	1.0
Tires and inner tubes	15.5	15.5	15.5	- .2	- .1
NONMANUFACTURING[g]	186.6	187.1	184.2	- .2	1.3
CONSTRUCTION	8.1	8.0	7.9	.4	2.1
TRANSPORTATION AND PUBLIC UTILITIES	12.6	12.7	12.7	- .1	- .3
Communication, electric, gas services	5.3	5.3	5.5	- .1	- 3.2
WHOLESALE TRADE	11.8	11.7	11.9	1.1	- .4
RETAIL TRADE	46.3	46.7	45.7	- .8	1.4
FINANCE, INSURANCE, AND REAL ESTATE	9.6	9.6	9.3	- .2	2.6
SERVICES	55.4	55.8	53.5	- .7	3.5
GOVERNMENT	42.1	41.9	42.5	.6	- 1.0
State government (includes education)	14.9	14.4	14.6	.5	- 1.1
Local government (includes education)	25.5	25.3	25.8	.7	- 1.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1984[b]	September 1984[c]	October 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$466.09	$467.42	$467.42	42.8	43.2	43.2	$10.89	$10.82	$10.82
Durable Goods[d]	480.57	477.83	486.38	43.1	43.4	43.7	11.15	11.01	11.13
Stone, clay, and glass products	383.54	381.89	402.95	40.5	40.8	41.8	9.47	9.36	9.64
Fabricated metal products	559.57	551.24	609.74	42.2	42.6	45.3	13.26	12.94	13.46
Machinery, except electrical	408.16	416.08	418.12	43.7	44.5	43.6	9.34	9.35	9.59
Special industry machinery	478.68	483.48	441.12	46.7	47.4	44.2	10.25	10.20	9.98
Nondurable Goods[e]	445.83	450.26	440.30	42.5	42.8	42.5	10.49	10.52	10.36
Food and kindred products	443.65	444.69	450.46	42.7	42.8	44.6	10.39	10.39	10.10
Chemicals and allied products	452.51	451.52	470.24	41.1	41.5	43.3	11.01	10.88	10.86
Rubber and misc. plastics products	467.63	476.52	460.08	43.5	44.0	43.2	10.75	10.83	10.65
Tires and inner tubes	634.97	661.06	598.45	47.0	48.5	45.2	13.51	13.63	13.24
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	589.00	571.14	524.54	38.0	36.8	34.6	15.50	15.52	15.16
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	513.70	524.12	489.21	40.9	41.4	40.7	12.56	12.66	12.02
WHOLESALE TRADE	323.47	327.95	301.41	39.4	39.8	39.4	8.21	8.24	7.65
RETAIL TRADE[f]	179.69	178.20	173.73	29.8	29.8	29.8	6.03	5.98	5.83
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1984[b]	September 1984[c]	October 1983[c]	September 1984	October 1983
TOTAL	148.8	148.7	145.9	.1	2.0
MANUFACTURING	45.5	45.5	44.2	.0	3.0
Durable Goods[e]	34.1	34.0	33.1	.3	3.0
Stone, clay, and glass products	1.6	1.6	1.7	- .8	- 5.4
Primary metal industries	10.9	11.0	10.4	- .8	4.8
Fabricated metal products	7.7	7.5	7.6	2.1	1.1
Fabricated structural metal products	1.7	1.7	1.9	1.3	- 10.5
Metal forgings and stampings	2.8	2.6	2.3	5.7	18.0
Nondurable Goods[f]	11.4	11.5	11.1	- 1.0	3.0
Food and kindred products	4.1	4.2	4.1	- .8	1.7
Rubber and misc. plastics products	2.8	2.8	2.6	.1	5.2
NONMANUFACTURING[g]	103.4	103.2	101.7	.1	1.6
CONSTRUCTION	5.4	5.4	4.9	.2	11.3
TRANSPORTATION AND PUBLIC UTILITIES	5.8	5.8	6.0	- .3	- 3.3
Communication, electric, gas services	2.7	2.7	2.8	.3	- 4.2
WHOLESALE TRADE	7.7	7.6	7.4	.7	4.0
RETAIL TRADE	26.3	26.6	25.9	- 1.3	1.4
FINANCE, INSURANCE, AND REAL ESTATE	6.8	6.8	6.5	.0	4.6
SERVICES	32.2	32.2	31.1	.1	3.6
GOVERNMENT	17.8	17.3	18.6	2.5	- 4.2
Local government (includes education)	15.0	14.6	15.7	2.8	- 4.6

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1984[b]	September 1984[c]	October 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$443.09	$441.57	$433.36	40.8	41.0	40.2	$10.86	$10.77	$10.78
Durable Goods[d]	459.91	458.38	445.68	40.7	41.0	39.9	11.30	11.18	11.17
Stone, clay, and glass products	288.46	292.11	287.55	40.8	41.2	40.5	7.07	7.09	7.10
Primary metal industries	484.74	495.71	467.67	39.7	40.9	39.3	12.21	12.12	11.90
Fabricated metal products	526.54	498.00	524.16	42.6	41.5	41.6	12.36	12.00	12.60
Fabricated structural metal products	423.80	423.80	464.87	44.1	44.1	40.6	9.61	9.61	11.45
Metal forgings and stampings	657.30	608.03	645.04	45.3	43.4	44.0	14.51	14.01	14.66
Nondurable Goods[e]	390.73	391.68	395.52	41.0	41.1	41.2	9.53	9.53	9.60
Food and kindred products	401.02	406.39	411.35	41.3	41.3	41.3	9.71	9.84	9.96
Rubber and misc. plastics products	462.65	464.14	447.19	44.4	44.5	45.4	10.42	10.43	9.85
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	601.40	573.99	556.56	37.8	36.7	35.7	15.91	15.64	15.59
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	509.59	516.25	479.40	40.8	41.3	40.8	12.49	12.50	11.75
WHOLESALE TRADE	321.41	316.80	325.99	36.4	36.0	37.6	8.83	8.80	8.67
RETAIL TRADE[f]	157.97	159.60	161.16	29.2	29.5	29.9	5.41	5.41	5.39
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1984[b]	September 1984[c]	October 1983[c]	September 1984	October 1983
TOTAL	593.0	591.0	584.0	.3	1.5
MANUFACTURING	146.1	143.5	144.2	1.9	1.3
Durable Goods[e]	79.5	77.0	78.9	3.3	.8
Furniture and fixtures	1.9	1.9	2.2	- .7	- 13.0
Primary metal industries	2.3	2.3	1.9	- .6	16.0
Fabricated metal products	11.9[h]	12.0[h]	12.7	- .5	- 5.8
Fabricated structural metal products	3.7	3.7	3.9	- 1.7	- 6.5
Machinery, except electrical	18.7	19.1	18.3	- 1.8	2.4
Metalworking machinery	8.0	8.0	7.6	.2	4.6
General industrial machinery	3.1	3.4	3.4	- 11.0	- 9.8
Electric and electronic equipment	8.2	8.2	8.1	.8	1.5
Transportation equipment	25.9	23.0	25.6	12.6	1.0
Motor vehicles and equipment	9.9	7.6	10.6	30.5	- 6.8
Nondurable Goods[f]	66.6	66.5	65.4	.2	1.9
Food and kindred products	14.5	14.6	14.5	- .3	.0
Meat products	2.4	2.4	2.3	2.9	7.3
Bakery products	2.3	2.4	2.4	- 4.6	- 4.1
Beverages	4.2	4.2	4.3	- .4	- 1.2
Apparel and other textile products	4.0	3.9	3.9	3.1	2.1
Paper and allied products	6.2	6.2	6.0	1.3	3.9
Printing and publishing	11.5	11.6	11.6	- .7	- .8
Chemicals and allied products	22.0	21.9	21.4	.4	2.9
Rubber and misc. plastics products	5.2	5.1	4.7	.4	9.0
NONMANUFACTURING[g]	446.9	447.6	439.8	- .2	1.6
CONSTRUCTION	22.0	21.9	22.8	.8	- 3.1
TRANSPORTATION AND PUBLIC UTILITIES	31.1	31.1	31.7	- .1	- 2.1
Communication, electric, gas services	13.9	14.0	14.8	- .5	- 6.1
WHOLESALE TRADE	36.4	36.4	36.1	.1	.9
RETAIL TRADE	106.2	106.4	104.4	- .3	1.7
FINANCE, INSURANCE, AND REAL ESTATE	33.9	33.9	32.8	.0	3.5
Banking	7.5	7.5	7.3	.0	2.0
Insurance carriers	11.5	11.5	11.0	.6	4.9
SERVICES	135.5	138.1	131.3	- 1.8	3.2
GOVERNMENT	81.3	79.4	80.3	2.5	1.3
Federal government	13.4	13.4	12.4	- .3	8.3
State government (includes education)	17.7	16.7	17.6	6.4	.9
Local government	50.2	49.3	50.4	1.9	- .3
Local government, except education	21.3	21.4	21.6	- .5	- 1.3
Local government education	28.9	27.9	28.8	3.7	.4

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1984[b]	September 1984[c]	October 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$445.82	$444.79	$422.50	41.9	42.2	41.3	$10.64	$10.54	$10.23
Durable Goods[d]	444.36	435.87	421.64	42.0	42.4	41.5	10.58	10.28	10.16
Furniture and fixtures	368.39	343.62	327.59	43.7	41.6	41.0	8.43	8.26	.99
Primary metal industries	511.28	514.92	452.40	41.5	42.0	40.0	12.32	12.26	.31
Fabricated metal products	378.01	392.81	382.22	40.3	41.7	41.5	9.38	9.42	9.21
Fabricated structural metal products	394.00	454.87	359.10	41.3	45.9	40.9	9.54	9.91	8.78
Machinery, except electrical	404.88	400.19	373.73	42.0	41.6	40.1	9.64	9.62	9.32
Metalworking machinery	440.43	440.18	400.72	41.2	41.1	38.2	10.69	10.71	10.49
General industrial machinery	355.29	358.67	331.50	40.1	40.3	39.7	8.86	8.90	8.35
Electric and electronic equipment	329.24	337.83	326.72	40.2	41.3	41.2	8.19	8.18	7.93
Transportation equipment	640.69	635.11	590.78	44.4	45.3	43.6	14.43	14.02	13.55
Motor vehicles and equipment	687.97	720.58	646.46	44.5	47.5	44.4	15.46	15.17	14.56
Nondurable Goods[e]	446.19	454.44	423.74	41.7	42.0	41.1	10.70	10.82	10.31
Food and kindred products	489.34	502.39	460.78	42.7	43.8	41.4	11.46	11.47	11.13
Meat products	433.96	432.45	408.24	44.6	45.0	42.0	9.73	9.61	9.72
Bakery products	471.21	490.68	423.46	41.7	43.5	40.6	11.30	11.28	10.43
Beverages	464.94	471.22	440.58	42.0	42.3	42.0	11.07	11.14	10.49
Apparel and other textile products	228.93	220.82	207.36	39.0	37.3	36.0	5.87	5.92	5.76
Paper and allied products	387.16	410.47	381.97	41.9	43.9	41.7	9.24	9.35	9.16
Printing and publishing	429.44	434.70	434.93	39.8	40.4	40.8	10.79	10.76	10.66
Chemicals and allied products	527.51	546.09	481.39	41.7	42.3	40.9	12.65	12.91	11.77
Rubber and misc. plastics products	373.64	349.06	359.45	45.4	43.2	45.5	8.23	8.08	7.90
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	549.40	545.48	535.32	38.5	39.3	36.0	14.27	13.88	14.87
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	485.96	480.29	455.90	39.8	39.4	39.2	12.21	12.19	11.63
WHOLESALE TRADE	354.89	365.08	343.47	40.1	40.7	39.8	8.85	8.97	8.63
RETAIL TRADE[f]	164.40	165.01	163.02	30.5	30.9	30.7	5.39	5.34	5.31
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	232.70	233.72	223.06	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1984[b]	September 1984[c]	October 1983[c]	September 1984	October 1983
TOTAL	835.9	833.4	835.5	.3	.1
MANUFACTURING	210.2	210.5	210.9	- .1	- .3
Durable Goods[e]	145.8	145.7	146.8	.0	- .7
Furniture and fixtures	2.0	1.9	2.1	4.0	- 6.2
Primary metal industries	23.4	23.4	25.1	- .2	- 6.8
Blast furnace and basic steel products	11.0	11.0	12.7	.0	- 12.9
Iron and steel foundries	5.8	5.9	6.0	- 1.2	- 2.0
Nonferrous foundries	2.4	2.4	2.6	.5	- 7.7
Fabricated metal products	32.3	32.3	32.0	- .2	1.0
Fabricated structural metal products	3.9	3.9	3.8	1.0	4.2
Screw machine products, bolts, etc.	4.3	4.3	4.5	.4	- 4.2
Metal forgings and stampings	11.0	11.2	10.9	- 1.8	1.3
Machinery, except electrical	32.2	32.3	30.9	- .2	4.0
Construction and related machinery	4.4	4.5	5.3	- 2.0	- 17.8
Metalworking machinery	10.4	10.4	10.0	.1	4.7
Special industry machinery	3.4	3.4	2.9	.5	16.6
General industrial machinery	2.8	2.9	2.6	- .8	7.5
Electric and electronic equipment	22.1	22.3	22.4	- .7	- 1.1
Electrical industrial apparatus	7.5	7.6	7.4	- .4	1.8
Transportation equipment	19.7	19.5	20.7	1.1	- 4.5
Motor vehicles and equipment	13.3	12.9	14.3	2.4	- 7.1
Instruments and related products	6.0	5.9	5.7	.8	4.4
Nondurable Goods[f]	64.4	64.7	64.1	- .5	.4
Food and kindred products	7.3	7.4	7.7	- 1.4	- 4.5
Bakery products	1.7	1.7	1.8	- 1.9	- 3.4
Beverages	1.4	1.4	1.6	.0	- 16.0
Apparel and other textile products	5.2	5.2	5.0	- .6	3.4
Paper and allied products	5.2	5.2	4.8	.1	7.1
Printing and publishing	15.3	15.4	14.9	- .5	2.7
Chemicals and allied products	14.1	14.3	14.3	- .9	- 1.6
Industrial inorganic chemicals	3.2	3.3	3.3	- 2.5	- 2.6
Rubber and misc. plastics products	11.3	11.3	11.5	.3	- 1.7
NONMANUFACTURING[g]	625.8	622.9	624.6	.5	.2
CONSTRUCTION	25.8	25.7	27.7	.4	- 6.8
TRANSPORTATION AND PUBLIC UTILITIES	42.2	41.9	42.1	.5	.3
Communication, electric, gas services	19.9	19.7	20.1	.6	- 1.0
WHOLESALE TRADE	57.7	57.7	58.3	.1	- 1.0
RETAIL TRADE	135.3	135.7	135.4	- .3	- .1
FINANCE, INSURANCE, AND REAL ESTATE	47.9	48.2	48.9	- .7	- 2.2
Banking	12.6	12.6	13.4	- .2	- 5.7
Insurance carriers	11.5	11.6	12.0	- 1.2	- 4.6
SERVICES	203.2	202.4	198.2	.4	2.5
GOVERNMENT	112.4	110.1	112.9	2.1	- .5
Federal government	19.4	19.4	19.3	- .3	.2
State government (includes education)	7.8	7.3	7.8	6.6	- .2
Local government	85.2	83.3	85.8	2.3	- .7
Local government, except education	43.6	43.3	43.6	.5	- .1
Local government education	41.6	40.0	42.1	4.1	- 1.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1984[b]	September 1984[c]	October 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$459.31	$458.22	$437.83	42.1	42.0	41.5	$10.91	$10.91	$10.55
Durable Goods[d]	487.05	489.05	466.47	42.5	42.6	42.1	11.46	11.48	11.08
Furniture and fixtures	364.23	340.49	330.08	42.5	39.5	40.5	8.57	8.62	8.15
Primary metal industries	555.10	559.86	522.46	42.7	43.0	42.1	13.00	13.02	12.41
Blast furnace and basic steel products	491.25	490.31	479.17	37.5	37.4	37.7	13.10	13.11	12.71
Iron and steel foundries	761.28	775.58	678.08	48.8	49.4	46.7	15.60	15.70	14.52
Nonferrous foundries	386.57	377.14	361.50	43.0	43.2	41.6	8.99	8.73	8.69
Fabricated metal products	462.16	457.63	447.10	42.4	42.1	42.1	10.90	10.87	10.62
Fabricated structural metal products	376.62	363.01	333.59	41.8	40.2	38.3	9.01	9.03	8.71
Screw machine products, bolts, etc.	422.92	430.08	430.36	44.1	44.8	42.4	9.59	9.60	10.15
Metal forgings and stampings	588.74	569.32	556.98	44.2	43.0	44.1	13.32	13.24	12.63
Machinery, except electrical	465.19	449.35	446.78	42.6	41.8	41.6	10.92	10.75	10.74
Construction and related machinery	463.98	459.35	502.63	40.7	40.4	40.6	11.40	11.37	12.38
Metalworking machinery	332.62	396.01	415.13	39.9	39.8	40.5	9.84	9.95	10.25
Special industry machinery	454.31	457.78	466.99	39.3	39.6	41.4	11.56	11.56	11.28
General industrial machinery	447.03	422.86	401.14	45.2	42.8	41.1	9.89	9.88	9.76
Electric and electronic equipment	418.20	419.00	392.93	41.0	41.2	40.3	10.20	10.17	9.75
Electrical industrial apparatus	432.39	444.75	365.27	40.6	41.8	36.6	10.65	10.64	9.98
Transportation equipment	624.21	653.80	584.64	45.2	46.6	44.8	13.81	14.03	13.05
Motor vehicles and equipment	664.85	719.71	622.43	45.6	48.4	45.4	14.58	14.87	13.71
Instruments and related products	362.96	364.27	341.73	40.6	40.7	39.1	8.94	8.95	8.74
Nondurable Goods[e]	385.28	380.70	366.62	40.9	40.5	40.2	9.42	9.40	9.12
Food and kindred products	395.12	401.85	379.76	41.9	42.3	40.4	9.43	9.50	9.40
Bakery products	461.97	477.92	419.32	43.5	45.3	42.1	10.62	10.55	9.96
Beverages	328.86	320.31	341.82	42.0	40.7	40.5	7.83	7.87	8.44
Apparel and other textile products	274.51	274.38	268.87	38.5	38.7	38.3	7.13	7.09	7.02
Paper and allied products	436.04	422.73	414.65	44.0	42.7	44.3	9.91	9.90	9.36
Printing and publishing	374.23	372.05	368.45	37.2	36.8	36.3	10.06	10.11	10.15
Chemicals and allied products	484.21	479.68	456.71	42.4	42.6	41.9	11.42	11.26	10.90
Industrial inorganic chemicals	515.79	528.15	495.40	41.9	42.8	41.7	12.31	12.34	11.88
Rubber and misc. plastics products	350.65	342.78	327.39	42.4	41.6	41.6	8.27	8.24	7.87
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	811.56	792.38	692.95	40.7	40.1	38.2	19.94	19.76	18.14
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	535.60	541.37	493.69	41.2	41.2	40.2	13.00	13.14	12.43
WHOLESALE TRADE	362.58	355.27	340.95	39.8	39.3	39.1	9.11	9.04	8.72
RETAIL TRADE[f]	177.08	177.16	170.43	28.7	28.9	28.5	6.17	6.13	5.98
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	253.05	254.65	246.70	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1984[b]	September 1984[c]	October 1983[c]	September 1984	October 1983
TOTAL	526.0	519.0	512.6	1.3	2.6
MANUFACTURING	89.2	89.5	86.6	- .3	3.0
Durable Goods[e]	58.1	58.5	55.7	- .6	4.4
Stone, clay, and glass products	9.7	9.7	9.6	.1	1.1
Fabricated metal products	10.1	10.3	10.0	- 2.3	.4
Machinery, except electrical	10.0	10.1	9.3	- 1.6	7.2
Electric and electronic equipment	10.6	10.5	10.5	.2	1.0
Transportation equipment	9.1	9.1	8.4	.3	8.3
Nondurable Goods[f]	31.1	31.1	31.0	.1	.3
Food and kindred products	10.1	10.1	9.9	.0	1.9
Printing and publishing	8.3	8.2	8.2	1.3	1.3
Chemicals and allied products	6.1	6.1	6.1	.0	.4
Rubber and misc. plastics products	2.7	2.8	2.7	- 1.5	- .5
NONMANUFACTURING[g]	436.8	429.5	425.9	1.7	2.6
CONSTRUCTION	17.5	17.6	17.2	- .6	1.7
TRANSPORTATION AND PUBLIC UTILITIES	23.9	23.8	23.1	.4	3.5
Communication, electric, gas services	11.1	11.1	10.9	.1	1.6
WHOLESALE TRADE	28.3	28.2	27.6	.2	2.6
RETAIL TRADE	99.3	98.6	95.8	.8	3.6
FINANCE, INSURANCE, AND REAL ESTATE	45.4	45.5	44.1	- .1	3.2
Banking	8.7	8.7	8.7	- .1	- .7
Insurance carriers	18.1	18.0	18.0	.3	.4
SERVICES	118.3	116.6	114.8	1.5	3.1
GOVERNMENT	103.5	98.7	102.9	4.9	.5
Federal government	12.0	12.1	11.3	- 1.3	5.7
State government	48.5	44.2	48.9	9.6	- .8
State government, except education	27.1	27.1	27.8	.3	- 2.2
State government education[i]	21.3	17.2	21.1	24.1	1.1
Local government	43.0	42.3	42.7	1.7	.7
Local government, except education	17.6	17.5	17.2	.3	2.0
Local government education	25.5	24.8	25.5	2.7	- .2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes. [i]Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1984[b]	September 1984[c]	October 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$418.18	$422.69	$414.51	40.6	40.8	41.0	$10.30	$10.36	$10.11
Durable Goods[d]	423.96	431.58	435.53	40.3	40.6	41.4	10.52	10.63	10.52
Stone, clay, and glass products	393.74	398.80	394.47	39.1	39.8	40.5	10.07	10.02	9.74
Fabricated metal products	450.85	463.74	538.16	38.9	39.3	43.4	11.59	11.80	12.40
Machinery, except electrical	391.95	400.90	375.84	40.2	40.7	40.5	9.75	9.85	9.28
Electric and electronic equipment	451.36	448.69	433.72	41.6	41.7	42.9	10.85	10.76	10.11
Transportation equipment	547.67	576.39	521.73	43.5	44.1	42.8	12.59	13.07	12.19
Nondurable Goods[e]	404.74	402.11	370.24	41.3	41.2	40.2	9.80	9.76	9.21
Food and kindred products	379.39	382.75	353.03	41.6	41.2	40.3	9.12	9.29	8.76
Printing and publishing	467.67	460.59	438.07	39.7	39.0	37.7	11.78	11.81	11.62
Chemicals and allied products	473.34	456.37	431.19	42.0	41.3	41.5	11.27	11.05	10.39
Rubber and misc. plastics products	339.02	344.86	312.44	41.7	44.1	42.8	8.13	7.82	7.30
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	506.29	507.52	490.20	39.4	39.1	38.0	12.85	12.98	12.90
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	521.83	521.42	485.61	40.8	40.8	40.1	12.79	12.78	12.11
WHOLESALE TRADE	296.65	297.04	297.00	39.5	39.5	39.6	7.51	7.52	7.50
RETAIL TRADE[f]	157.64	157.30	164.71	28.2	28.6	29.1	5.59	5.50	5.66
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	238.68	235.17	236.05	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1984[b]	September 1984[c]	October 1983[c]	September 1984	October 1983
TOTAL	352.3	350.4	342.1	.5	3.0
MANUFACTURING	92.2	92.6	88.7	- .5	3.9
Durable Goods[e]	64.0	64.3	61.4	- .6	4.1
Stone, clay, and glass products	2.2	2.2	2.1	- .5	5.9
Fabricated metal products	7.2	7.3	6.8	- .4	6.6
Machinery, except electrical	29.5	29.7	28.6	- .6	3.1
Metalworking machinery	6.9	6.9	6.4	.3	8.2
Electric and electronic equipment	5.1	5.1	4.8	- .1	6.5
Electrical industrial apparatus	3.0	3.0	2.8	- .1	5.0
Transportation equipment	13.7	13.8	13.3	- .8	2.8
Nondurable Goods[f]	28.2	28.3	27.3	- .4	3.4
Food and kindred products	2.9	2.9	3.0	.3	- 2.9
Paper and allied products	6.0	5.9	5.3	1.6	12.8
Printing and publishing	7.5	7.5	7.2	.4	4.5
Rubber and misc. plastics products	8.2	8.4	8.3	- 2.3	- 1.0
NONMANUFACTURING[g]	260.1	257.8	253.4	.9	2.6
CONSTRUCTION	10.[illegible]	10.3	10.3	.6	.4
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.1	12.9	.3	1.3
Communication, electric, gas services	5.6	5.6	5.9	- .1	- 5.1
WHOLESALE TRADE	17.3	17.1	16.7	.7	3.6
RETAIL TRADE	56.7	56.9	55.6	- .4	1.9
FINANCE, INSURANCE, AND REAL ESTATE	14.3	14.3	14.0	- .1	1.7
SERVICES	79.4	79.5	77.0	- .1	3.1
GOVERNMENT	68.8	66.4	66.7	3.7	3.2
Federal government	26.5	26.9	25.9	- 1.2	2.6
State government (includes education)	6.2	5.3	5.9	16.0	4.3
Local government	36.1	34.2	34.9	5.6	3.5
Local government, except education	13.0	13.1	12.9	- .6	.7
Local government education	23.1	21.1	21.9	9.4	5.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1984[b]	September 1984[c]	October 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$473.88	$485.31	$463.72	42.5	43.1	42.7	$11.15	$11.26	$10.86
Durable Goods[d]	484.18	496.17	462.01	43.0	43.6	42.7	11.26	11.38	10.82
Stone, clay, and glass products	409.70	400.01	376.40	43.4	42.6	40.0	9.44	9.39	9.41
Fabricated metal products	387.13	384.42	343.97	43.4	43.0	40.9	8.92	8.94	8.41
Machinery, except electrical	534.31	535.51	483.04	44.6	44.7	43.4	11.98	11.98	11.13
Metalworking machinery	501.08	514.28	466.58	44.9	46.0	44.1	11.16	11.18	10.58
Electric and electronic equipment	333.70	337.00	323.20	40.4	40.7	40.4	8.26	8.28	8.00
Electrical industrial apparatus	359.96	371.90	343.80	40.4	41.6	40.4	8.91	8.94	8.51
Transportation equipment	589.05	632.43	602.11	42.5	44.6	44.7	13.86	14.18	13.47
Nondurable Goods[e]	450.85	460.32	467.57	41.4	42.0	42.7	10.89	10.96	10.95
Food and kindred products	431.21	423.88	355.78	45.2	44.2	39.4	9.54	9.59	9.03
Paper and allied products	409.88	408.47	409.62	43.1	43.5	43.3	9.51	9.39	9.46
Printing and publishing	415.34	432.12	428.07	38.6	39.9	38.6	10.76	10.83	11.09
Rubber and misc. plastics products	559.28	571.55	607.81	41.8	42.4	45.7	13.38	13.48	13.30
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	538.98	536.23	529.20	39.0	39.4	37.8	13.82	13.61	14.00
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	500.99	498.91	477.96	40.5	40.3	40.3	12.37	12.38	11.86
WHOLESALE TRADE	362.30	364.00	345.20	41.5	41.6	42.2	8.73	8.75	8.18
RETAIL TRADE[f]	157.28	159.18	159.01	28.7	29.1	29.5	5.48	5.47	5.39
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1984[b]	September 1984[c]	October 1983[c]	September 1984	October 1983
TOTAL	298.2	296.9	289.6	.4	3.0
MANUFACTURING	76.4	77.2	73.2	- 1.1	4.4
Durable Goods[e]	59.7	59.8	56.9	- .3	4.8
Stone, clay, and glass products	11.3	11.3	11.3	- .1	.6
Primary metal industries	4.2	4.2	3.7	- .2	13.8
Fabricated metal products	8.5	8.6	8.0	- 2.2	5.1
Metal forgings and stampings	4.0	4.1	3.9	- 2.5	2.2
Machinery, except electrical	6.5	6.5	6.0	- .2	7.9
General industrial machinery	1.6	1.6	1.5	.0	2.0
Transportation equipment	21.1	21.0	20.2	.2	4.1
Motor vehicles and equipment	19.8	19.8	19.0	.0	4.0
Nondurable Goods[f]	16.7	17.4	16.2	- 3.7	3.1
Food and kindred products	4.0	4.8	4.1	- 15.2	- 2.6
Rubber and misc. plastics products	4.5	4.4	3.9	1.8	17.2
NONMANUFACTURING[g]	221.8	219.7	216.4	.9	2.5
CONSTRUCTION	10.7	10.8	10.6	- 1.2	1.0
TRANSPORTATION AND PUBLIC UTILITIES	17.8	17.8	17.6	- .2	.9
Communication, electric, gas services	7.5	7.5	7.7	- .1	- 2.2
WHOLESALE TRADE	14.7	14.6	14.5	.5	1.3
RETAIL TRADE	50.4	50.4	49.7	.0	1.3
FINANCE, INSURANCE, AND REAL ESTATE	11.1	11.0	10.7	.3	3.6
SERVICES	66.9	66.6	65.1	.4	2.8
GOVERNMENT	49.8	47.9	47.8	3.9	4.2
State government (includes education)	15.3	14.0	15.3	9.5	.1
Local government	31.7	31.2	29.7	1.6	6.5
Local government, except education	12.6	12.6	12.0	- .4	4.7
Local government education	19.1	18.5	17.7	3.0	7.8

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1984[b]	September 1984[c]	October 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$525.40	$514.95	$501.78	44.3	43.9	43.9	$11.86	$11.73	$11.43
Durable Goods[d]	551.49	543.01	525.70	44.8	44.4	44.4	12.31	12.23	11.84
Stone, clay, and glass products	537.08	511.29	514.79	45.4	43.7	43.7	11.83	11.70	11.78
Primary metal industries	534.92	529.97	515.98	46.8	46.9	47.6	11.43	11.30	10.84
Fabricated metal products	478.84	458.96	507.68	43.1	41.8	44.3	11.11	10.98	11.46
Metal forgings and stampings	536.53	523.87	543.42	43.5	42.8	43.3	12.38	12.24	12.55
Machinery, except electrical	441.89	435.75	445.77	41.8	41.5	41.7	10.57	10.50	10.69
General industrial machinery	453.33	455.13	498.67	41.1	41.3	41.8	11.03	11.02	11.93
Transportation equipment	669.26	667.84	589.68	46.9	46.8	45.5	14.27	14.27	12.96
Motor vehicles and equipment	673.04	671.61	587.48	47.0	46.9	45.4	14.32	14.32	12.94
Nondurable Goods[e]	422.84	414.89	410.89	42.2	42.2	41.8	10.02	9.83	9.83
Food and kindred products	433.47	438.46	432.29	41.8	44.2	43.1	10.37	9.92	10.03
Rubber and misc. plastics products	368.49	356.97	349.85	42.6	41.8	41.5	8.65	8.54	8.43
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	677.20	661.53	621.59	40.0	39.4	37.4	16.93	16.79	16.62
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	542.10	552.90	485.17	41.7	42.4	40.6	13.00	13.04	11.95
WHOLESALE TRADE	310.37	309.74	339.46	36.6	36.1	38.4	8.48	8.58	8.84
RETAIL TRADE[f]	159.32	160.15	163.25	28.5	28.7	29.1	5.59	5.58	5.61
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	...	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Employment (in thousands)			Percent[d] Change From	
	October 1984[b]	September 1984[c]	October 1983[c]	September 1984	October 1983
TOTAL	182.1	182.9	181.3	- .4	.4
MANUFACTURING	54.4	54.8	54.9	- .7	- .9
Durable Goods[e]	49.1	49.4	49.8	- .6	- 1.3
Stone, clay, and glass products	1.9	1.9	1.8	.9	4.0
Primary metal industries	21.7	22.0	23.5	- 1.3	- 7.5
Blast furnace and basic steel products	7.8	7.9	9.5	- .7	- 17.4
Fabricated metal products	8.5	8.5	8.0	- .2	5.6
Fabricated structural metal products	2.1	2.1	1.8	.5	18.3
Machinery, except electrical	3.7	3.8	3.6	- 2.2	3.3
Metalworking machinery	1.5	1.5	1.4	- 4.8	2.4
Electric and electronic equipment	2.8	2.8	2.6	- .5	5.2
Transportation equipment	8.9	8.8	8.6[h]	1.3	3.7
Nondurable Goods[f]	5.4	5.5	5.2	- 2.1	3.6
NONMANUFACTURING[g]	127.7	128.1	126.4	- .3	1.0
CONSTRUCTION	5.4	5.4	5.5	- .7	- 2.2
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.6	7.6	.0	- .4
Communication, electric, gas services	3.0	3.1	3.2	- 1.1	- 5.3
WHOLESALE TRADE	7.9	7.9	7.7	- .4	2.2
RETAIL TRADE	33.8	34.2	34.0	- 1.0	- .6
FINANCE, INSURANCE, AND REAL ESTATE	7.4	7.4	7.2	.0	3.3
SERVICES	40.3	41.3	39.4	- 2.5	2.1
GOVERNMENT	24.7	23.7	24.2	4.4	2.1
Local government (includes education)	19.3	18.8	18.8	2.7	2.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
OCTOBER 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1984[b]	September 1984[c]	October 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]	Oct. 1984[b]	Sep. 1984[c]	Oct. 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$552.98	$562.00	$552.26	43.0	43.6	43.9	$12.86	$12.89	$12.58
Durable Goods[d]	569.81	579.47	569.30	43.2	43.8	44.2	13.19	13.23	12.88
Stone, clay, and glass products	379.05	371.70	367.43	39.9	38.8	40.6	9.50	9.58	9.05
Primary metal industries	583.63	590.01	541.44	42.2	42.6	41.3	13.83	13.85	13.11
Blast furnace and basic steel products	533.86	536.02	488.58	40.2	40.7	38.2	13.28	13.17	12.79
Fabricated metal products	567.17	582.50	649.07	43.0	43.6	47.0	13.19	13.36	13.81
Fabricated structural metal products	447.11	404.26	419.05	44.4	41.0	40.1	10.07	9.86	10.45
Machinery, except electrical	456.40	446.80	437.72	40.0	39.4	37.8	11.41	11.34	11.58
Metalworking machinery	446.31	442.58	436.18	40.5	39.8	38.6	11.02	11.12	11.30
Electric and electronic equipment	432.22	418.54	415.33	41.4	40.4	41.7	10.44	10.36	9.96
Transportation equipment	693.11	726.85	729.81	48.3	50.9	53.0	14.35	14.28	13.77
Nondurable Goods[e]	366.61	359.07	353.28	41.1	40.3	40.1	8.92	8.91	8.81
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	614.93	600.00	560.13	38.1	37.5	35.7	16.14	16.00	15.69
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	503.46	506.75	482.73	40.7	40.9	40.6	12.37	12.39	11.89
WHOLESALE TRADE	334.49	330.68	328.13	36.2	36.1	35.9	9.24	9.16	9.14
RETAIL TRADE[f]	165.60	167.32	168.13	28.8	29.2	29.6	5.75	5.73	5.68
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 6,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities.	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate.	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

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